AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

- 1. (currently amended) A piezoceramic composition with the general molecular formula $Pb_{1-a}RE_bZr_xTi_yTR_zO_3$, where a, x and y are each greater than 0, <u>b is a rare earth metal proportion</u> and z is a transition metal proportion, in which
- RE is at least one rare earth metal selected from the group consisting of europium, gadolinium, lanthanum, neodymium, praseodymium, promethium and samarium with [[a]] the rare earth metal proportion b,
- TR is at least one transition metal selected from the group consisting of chromium, iron and manganese with a transition metal valency W_{TR} and [[a]] the transition metal proportion z and
 - a following relationship applies: $z > b/(4 W_{TR})$.
- 2. (currently amended) The piezoceramic composition in accordance with claim 1, wherein the rare earth metal proportion b is selected from a range of 0.2 mol% to 3 mol%.
- 3. (currently amended) The piezoceramic composition in accordance with claim 1, wherein a sum of the rare earth metal

proportion and of the transition metal proportion \underline{z} is less than 6 mol%.

- 4. (previously presented) The piezoceramic composition in accordance with claim 1, wherein the RE is a single rare earth metal and TR is selected from at most two transition metals or TR is a single transition metal and RE is selected from at most two rare earth metals.
- 5. (previously presented) The piezoceramic composition in accordance with claim 1, wherein a value for a mechanical quality factor Q_m is selected from a range of 50 up to and including 1800.
- 6. (previously presented) The piezoceramic composition in accordance with claim 1, wherein the composition has a Curie-temperature T_c lying above 280°C.
- 7. (currently amended) A method for producing a piezoceramic composition in accordance with claim 1, comprising:
- growing the composition at a specific sinter temperature in which a maximum particle growth of the piezoceramic composition is determined.
- 8. (previously presented) The method in accordance with claim 7, wherein the following steps are performed:

defining the rare earth metal proportion b,

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defining the transition metal proportion z,

sintering the piezoceramic composition at the sinter temperature, and

determining a particle size of the sintered piezoceramic composition.

- 9. (previously presented) The method in accordance with claim 7, wherein the transition metal iron has an iron proportion zFe and the transition metal manganese with has a manganese proportion Z_{Mn} , so that the relationship to $z_{Fe} + 2 \cdot Z_{Mn}$, > b is produced and with the variation of the manganese proportion Z_{Mn} , a dissipation factor tg δ of the composition and with a variation of the iron proportion z_{Fe} , setting a maximum value particle growth of the composition.
- 10. (currently amended) [[The]] \underline{A} piezoceramic body with a piezoceramic composition in accordance with claim 1.
- 11. (previously presented) The piezoceramic body in accordance with claim 10, wherein a metallization is selected from at least one of the group consisting of silver, copper and palladium.
- 12. (previously presented) The piezoceramic body in accordance with claim 11, wherein a proportion of palladium is selected ranging from 0% up to and including 30%.

- 13. (previously presented) The piezoceramic body in accordance with claim 12, wherein the proportion of palladium amounts to a maximum of 5%.
- 14. (previously presented) The piezoceramic body in accordance with claim 10, wherein a monolithic multilayer construction in which piezoceramic layers with the piezoceramic composition and electrode layers with the metallization are arranged alternating above one another.
- 15. (previously presented) The piezoceramic body in accordance with claim 10, which is a component selected from the group consisting of an actuator, a bending converter, a motor and a transformer.
- 16. (previously presented) A method for producing a piezoceramic body, comprising:

providing a green body with a piezoceramic composition in accordance with claim 1; and

sintering the green body to the piezoceramic body.

17. (previously presented) The method in accordance with claim 16, wherein the green body is provided with a metallization which is at least one selected from the group consisting of silver, copper and palladium.

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- 18. (previously presented) The method in accordance with claim 16, wherein the sintering is undertaken in an oxidizing or reducing sinter atmosphere.
- 19. (previously presented) The method in accordance with claim 16, wherein a sinter temperature ranging from 900°C to 1100°C inclusive is selected for sintering.
- 20. (previously presented) The method in accordance with claim 16, wherein the green body with a plurality of particle growth seeds is used with the piezoceramic composition.